

City of Chattanooga, TN
Personnel Class Specification

Class Code 0738

FLSA: Non-Exempt

CLASSIFICATION TITLE: WATER QUALITY TECHNICIAN

PURPOSE OF CLASSIFICATION

The purpose of this classification is to perform technical work functions associated with enforcing city stormwater ordinances and conducting inspections, investigations, and monitoring to ensure compliance with stormwater regulations.

ESSENTIAL FUNCTIONS

The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

Enforces city stormwater ordinances for the welfare, protection, and safety of citizens, homes, and businesses; enforces local, state, and federal regulations pertaining to illicit discharges; conducts inspections, investigations, and monitoring to ensure compliance with regulations.

Conducts official inspections of new/existing facilities and of construction sites; investigates fill sites for proper fill materials and legal location; coordinates quality/quantity field screenings; evaluates business sites to determine eligibility for facility permits.

Inspects SARAIII industries, municipal landfills, and hazardous waste treatment facilities for discharges; verifies sources of illicit discharges.

Coordinates final inspection for compliance of drainage structures to determine to determine issuance of certificate of occupancy.

Monitors stormwater for illicit discharge/spills; conducts visual surveillance of key monitoring points during wet weather conditions to locate intentional discharges; documents beneficial effects on streams where contaminated stormwater discharges are eliminated.

Conducts routine maintenance inspections of stormwater systems to assure proper operations.

Conducts preliminary screenings of wetlands.

Collects and analyzes water samples; performs dye tests to detect illicit connections.

Implements pesticide, herbicide, and fertilizer monitoring program.

Advises businesses on containment and spill prevention control.

Prepares/distributes violation notices for corrective action of drainage and infrastructure problems; reports violations to appropriate agencies.

Assists local, state and federal agencies with issues involving illicit discharges/spills.

Testifies in environmental court for water quality enforcement cases as needed.

Provides education and information to businesses, community groups, and other individuals; participates in on-site exhibits, environmental projects, press conferences, special events, and educational programs; gives speeches and presentations; performs water quality testing for educational purposes; prepares/distributes educational materials.

Responds to complaints; conducts investigations and follow-up activities.

Performs various manual tasks, which may include locating buried manholes, lifting manhole covers, testing for gas/oxygen levels, collecting samples, testing samples, measuring property and buildings, and performing minor equipment repairs.

Operates a variety of machinery, equipment, and tools associated with department activities, which may include a mobile laboratory van, water craft, camera, sampling equipment, monitoring equipment, flow velocity meter, sensors, metal detector, gas detector, measuring wheel, sampling kits, pick, shovel, and mechanic tools.

Performs general cleaning/maintenance tasks necessary to keep vehicles, equipment, and tools in operable condition, which may include inspecting equipment, checking fluid levels, replacing fluids, greasing equipment, replacing parts, washing/cleaning equipment, and cleaning shop/work areas; monitors equipment operations to maintain efficiency and safety; reports faulty equipment.

Utilizes precautionary safety equipment and monitors work environment to ensure safety of employees and other individuals.

Maintains inventory of equipment, tools, or supplies on mobile laboratory van; initiates requests for new or replacement materials.

Compiles and/or monitors various administrative and statistical data pertaining to departmental operations; performs research as needed; prepares or generates reports.

Maintains logs and computerized records of inspection activities.

Prepares or completes various forms, reports, correspondence, logs, notices, inspection reports, invoices, sampling labels, or other documents.

Receives various forms, reports, correspondence, applications, laboratory reports, personal checks, architectural drawings, ordinances, regulations, maps, manuals,

reference materials, or other documentation; reviews, completes, processes, forwards or retains as appropriate.

Operates a computer to enter, retrieve, review or modify data; verifies accuracy of entered data and makes corrections as appropriate; utilizes database or other software programs.

Communicates via telephone and/or two-way radio; provides information; takes and relays messages; responds to requests for service or assistance.

Communicates with supervisor, employees, other departments, developers, local businesses, regulatory agencies, environmental organizations, the public, and other individuals as needed to coordinate work activities, review status of work, exchange information, or resolve problems.

Maintains a comprehensive, current knowledge and awareness of applicable laws/regulations; maintains an awareness of new trends and advances in the profession; attends workshops and training sessions as appropriate.

ADDITIONAL FUNCTIONS

Performs a variety of clerical tasks, which may include answering office telephones, copying documents, initiating/receiving facsimile transmission of documents, filing documents, and processing mass mailings.

Performs other related duties as required.

MINIMUM QUALIFICATIONS

Associate's degree with course work emphasis in Physical Science or related field; supplemented by three (3) to five (5) years previous experience and/or training that includes wastewater operations, water/wastewater sampling, and investigating spills/discharges; or any equivalent combination of education, training, and experience which provides the requisite knowledge, skills, and abilities for this job. Must possess and maintain a valid Tennessee Driver's License.

PERFORMANCE APTITUDES

Data Utilization: Requires the ability to review, classify, categorize, prioritize, and/or analyze data. Includes exercising discretion in determining data classification, and in referencing such analysis to established standards for the purpose of recognizing actual or probable interactive effects and relationships.

Human Interaction: Requires the ability to provide guidance, assistance, and/or interpretation to others regarding the application of procedures and standards to specific situations.

Equipment, Machinery, Tools, and Materials Utilization: Requires the ability to operate, maneuver and/or control the actions of equipment, machinery, tools, and/or materials used in performing essential functions.

Verbal Aptitude: Requires the ability to utilize a wide variety of reference, descriptive, and/or advisory data and information.

Mathematical Aptitude: Requires the ability to perform addition, subtraction, multiplication and division; ability to calculate decimals and percentages; may include ability to perform mathematical operations with fractions; may include ability to compute discount, interest, profit and loss, ratio and proportion; may include ability to calculate surface areas, volumes, weights, and measures.

Functional Reasoning: Requires the ability to apply principles of rational systems; to interpret instructions furnished in written, oral, diagrammatic, or schedule form; and to exercise independent judgment to adopt or modify methods and standards to meet variations in assigned objectives.

Situational Reasoning: Requires the ability to exercise judgment, decisiveness and creativity in situations involving evaluation of information against measurable or verifiable criteria.

ADA COMPLIANCE

Physical Ability: Tasks require the ability to exert very moderate physical effort in light work, typically involving some combination of stooping, kneeling, crouching and crawling, and which may involve some lifting, carrying, pushing and/or pulling of objects and materials of moderate weight (12-20 pounds).

Sensory Requirements: Some tasks require the ability to perceive and discriminate colors or shades of colors, sounds, odor, depth, and visual cues or signals. Some tasks require the ability to communicate orally.

Environmental Factors: Performance of essential functions may require exposure to adverse environmental conditions, such as dirt, dust, pollen, odors, wetness, humidity, rain, fumes, temperature and noise extremes, machinery, vibrations, electric currents, traffic hazards, toxic agents, violence, disease, or pathogenic substances.

Chattanooga, Tennessee, is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the City will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.